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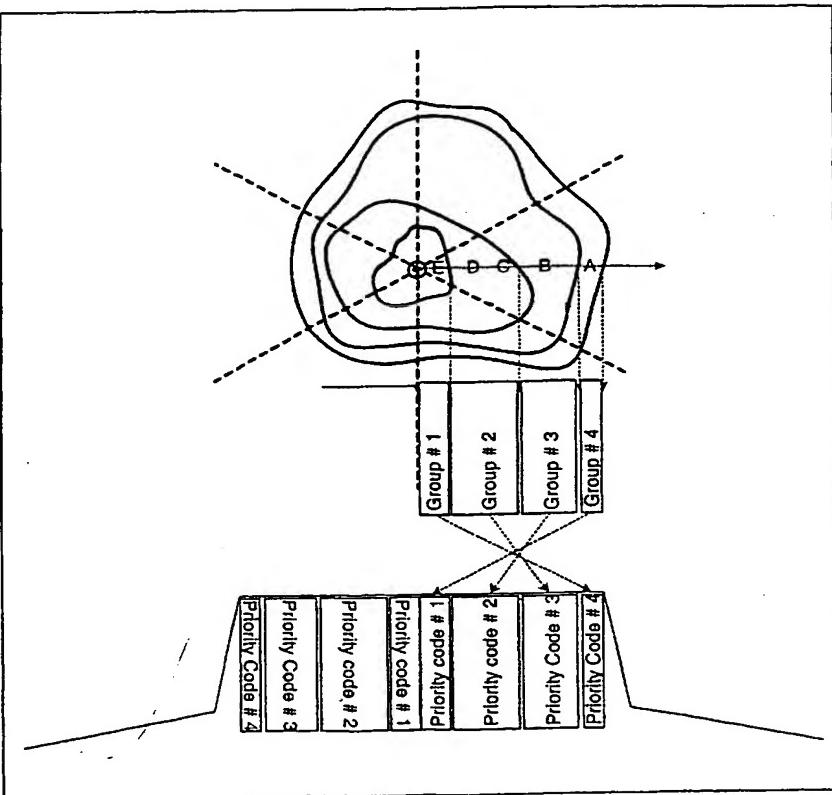
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(54) Title: METHOD AND APPARATUS FOR ADAPTIVE CARRIER ALLOCATION AND POWER CONTROL IN MULTI-CARRIER COMMUNICATION SYSTEMS



(57) **Abstract:** An apparatus and process for allocating carriers in a multi-carrier system is described. In one embodiment, the process comprises determining a location (E, D, C, B, A; fig. 6) of a subscriber (520) with respect to a base station (510), selecting carriers from a band of carriers to allocate to the subscriber (520) according to the location of the subscriber with respect to the base station (510), and allocating selected carriers to the subscriber (520).

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